



# GPS III SPACE VEHICLE 06 MISSION

## MISSION OVERVIEW

SpaceX is targeting Wednesday, January 18 at 7:24 a.m. ET (12:24 UTC) for Falcon 9's launch of the **GPS III Space Vehicle 06 mission** from Space Launch Complex 40 at Cape Canaveral Space Force Station in Florida. A backup launch opportunity is available on Thursday, January 19 at 7:05 a.m. ET (12:05 UTC).

The first stage booster supporting this mission previously launched Crew-5. Following stage separation, the first stage will land on the A Shortfall of Gravitas droneship, which will be stationed in the Atlantic Ocean.

## WEBCAST

A live webcast of this mission will begin about 15 minutes prior to liftoff.

## PHOTOS

High-resolution photos will be posted at [flickr.com/spacex](https://www.flickr.com/photos/spacex/).

## MISSION PROFILE



# MISSION TIMELINE (ALL TIMES APPROXIMATE)

## COUNTDOWN

<b>Hr/Min/Sec</b>	<b>Event</b>
- 00:38:00	SpaceX Launch Director verifies go for propellant load
- 00:35:00	RP-1 (rocket grade kerosene) loading begins
- 00:35:00	1st stage LOX (liquid oxygen) loading begins
- 00:16:00	2nd stage LOX loading begins
- 00:07:00	Falcon 9 begins engine chill prior to launch
- 00:01:00	Command flight computer to begin final prelaunch checks
- 00:01:00	Propellant tank pressurization to flight pressure begins
- 00:00:45	SpaceX Launch Director verifies go for launch
- 00:00:03	Engine controller commands engine ignition sequence to start
- 00:00:00	Falcon 9 liftoff

## LAUNCH, LANDING AND DEPLOYMENT

<b>Hr/Min/Sec</b>	<b>Event</b>
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:33	1st stage main engine cutoff (MECO)
00:02:37	1st and 2nd stages separate
00:02:45	2nd stage engine starts (SES-1)
00:03:30	Fairing deploy
00:06:19	1st stage entry burn begins
00:06:44	1st stage entry burn ends
00:08:08	2nd stage engine cutoff (SECO-1)
00:08:09	1st stage landing burn begins
00:08:33	1st stage landing
01:03:32	2nd stage engine starts (SES-2)
01:04:16	2nd stage engine cutoff (SECO-2)
01:29:17	GPS III Space Vehicle 06 deploys